E. CHALLET.

SLIDING CALIPERS.

APPLICATION FILED OCT. 22, 1919.

1,351,941. Patented Sept. 7, 1920.

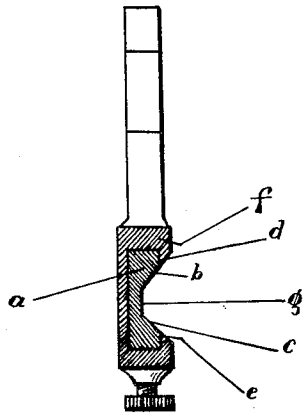


FIG. 2

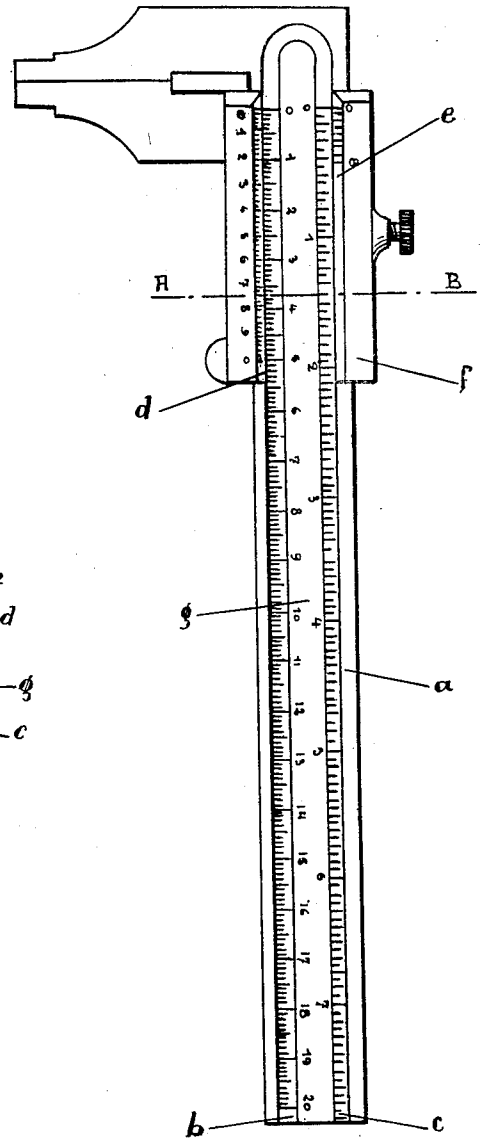


FIG. 1

Witnesses:
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UNITED STATES PATENT OFFICE.

ETIENNE CHALLET, OF GENÈVE, SWITZERLAND.

SLIDING CALIPERS.

1,351,941. Specification of Letters Patent. Patented Sept. 7, 1920.

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To all whom it may concern:

Be it known that I, ETIENNE CHALLET, a citizen of Switzerland and a resident of Genève, Switzerland, have invented new and useful Improvements in sliding calipers, of which the following is a specification.

This invention relates to sliding calipers, and its objects are to provide in the face of the sliding arm thereof a longitudinal angular groove having its inclined inner sides in the same plane with the usual inclined sides of the vernier thereof; to mark the measuring graduations or divisions on the inclined sides of the sliding arm and to place the denotation marks or numerals for the divisions on the lower flat face in the groove; while the vernier subdivisions and numbers are marked on the inclined sides and flat top surface respectively of the vernier.

My invention is shown in the annexed drawing, in which:—

Figure 1 is a plan of the sliding calipers, and Fig. 2 a section on line A—B of Fig. 1.

In the outer face *a* of the sliding arm of the calipers I make a longitudinal groove having inclined sides *b* and *c* so arranged as to be in plane with the sides *d* and *e* respectively of the vernier *f*. On the sides *d* and *e* of the vernier are marked the usual subdivisions. The normal divisions for measuring are marked on the inclined sides *b* and *c* in the groove and the corresponding numerals are marked on the lower flat face *g* of said groove, while the subdivisions of the vernier have the corresponding denominating numerals on the top face *f*. By way of example, the divisions on *b* corresponding with the subdivisions *d* on the vernier, are metric divisions and the divisions on *c* and *f* respectively are English inch-divisions.

Having thus described my invention, I declare that what I claim and desire to have patented in the United States of America, is:

In calipers, an arm formed with a longitudinal groove having inclined sides provided with scales, the lower part of said groove being provided with marks or numerals corresponding to the graduation of said scales and a member slidable along said arm and having inclined faces lying in the same planes as the inclined sides of the arm, said faces being provided with vernier graduations to coöperate with said scales.

ETIENNE CHALLET.